

FILE NOTATIONS

Entered in NID File ✓
 Entered On S R Sheet
 Location Map Pinned ✓
 Card Indexed ✓
 I W R for State or Fee Land

Checked by Chief RDS
 Copy NID to Field Office ✓
 Approval Letter Induit
 Disapproval Letter

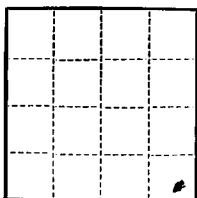
COMPLETION DATA:

Date Well Completed 3-24-62 Location Inspected
 OW WW TA Bond released
 GW OS PA ✓ State of Fee Land

LOGS FILED

Driller's Log 3-30-62
 Electric Logs (No.) 2
 E I EI ✓ GR GR-N Micro
 Lat Mi-L Sonic ✓ Others

Subsequent Report of Handwritten



(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Budget Bureau No. 42-R358.4.
Approval expires 12-31-60.

Land Office **Salt Lake City**
Lease No. **U-08665**
Unit **U-08-001-2401**
Nequoa Arch Unit

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....	<input checked="" type="checkbox"/>	SUBSEQUENT REPORT OF WATER SHUT-OFF.....	
NOTICE OF INTENTION TO CHANGE PLANS.....		SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING.....	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF.....		SUBSEQUENT REPORT OF ALTERING CASING.....	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL.....		SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR.....	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....		SUBSEQUENT REPORT OF ABANDONMENT.....	
NOTICE OF INTENTION TO PULL OR ALTER CASING.....		SUPPLEMENTARY WELL HISTORY.....	
NOTICE OF INTENTION TO ABANDON WELL.....			

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

February 8, 1962

Murphy-Government
Well No. **1** is located **660** ft. from **S** line and **660** ft. from **E** line of sec. **13**

SE/4 Sec. 13 (1/4 Sec. and Sec. No.) **273** (Twp.) **14E** (Range) **31N** (Meridian)

Antelope Valley Area (Field) **Wayne** (County or Subdivision) **Utah** (State or Territory)

The elevation of the ~~surface~~ ^{Ground} floor above sea level is **5612** ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

We propose to drill a well at the above location to an approximate total depth of 5800'. 10 3/4" O.D. 32.75# H-40 casing will be set at above 400' and cemented to surface. Objectives are the Paradox and Mississippian formations at approximately 4600' and 5310'. If the well is productive, a 5 1/2" O.D. 14# production string will be used.

Three copies of Designation of Agent by Humble Oil and Refining Company are attached. Location is on Farmin Acreage from Murphy Corporation.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company **The Atlantic Refining Company**

Address **P. O. Box 2197**

Farmington, New Mexico

By **B. J. Sustain**

Title **Drilling Supervisor**

COMPANY THE ATLANTIC REFINING COMPANY

Well Name & No. MURPHY GOVERNMENT No. 1

Lease No. U-08665

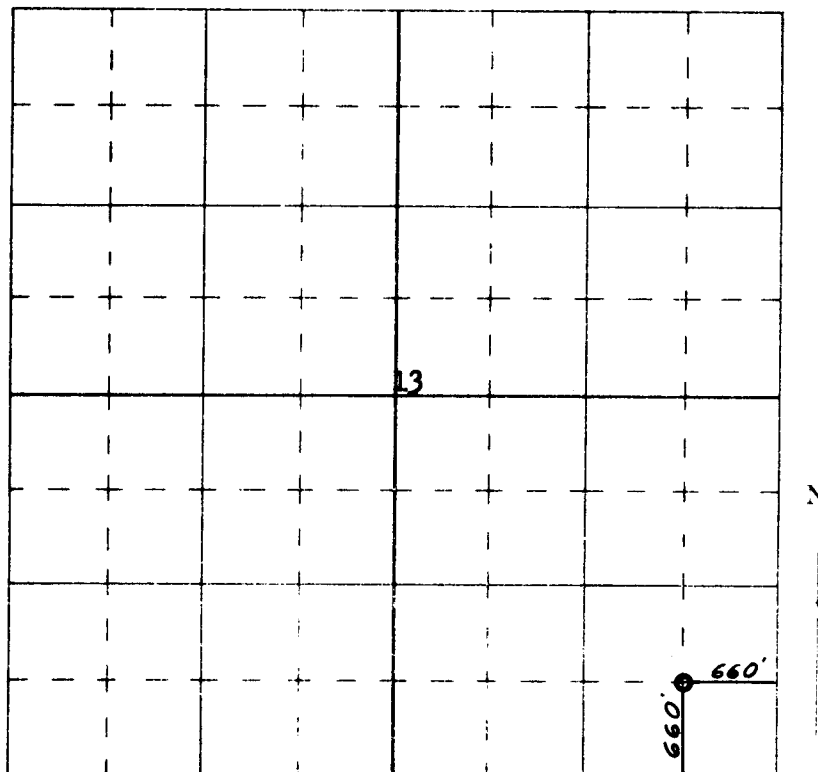
Location 660' From the South and East Lines

Being in SE $\frac{1}{4}$ SE $\frac{1}{4}$

Sec. 13, T 27 S, R 14 E, S.L.M.

WAYNE COUNTY, UTAH

Ground Elevation 5612.0



Scale -- 4 inches equals 1 mile

Surveyed February 5, 1962

This is to certify that the above plat was prepared from field notes of actual surveys made by me or under my supervision and that the same are true and correct to the best of my knowledge and belief.



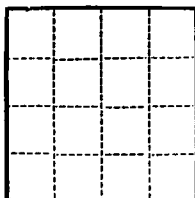
James P. Leese

Registered Land Surveyor.

James P. Leese

Utah Reg. No. 1472

SAN JUAN ENGINEERING CO. FARMINGTON, NEW MEXICO



(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Budget Bureau No. 42-R358.4.
Form Approved.

Land Office Salt Lake City
Lease No. U-08665
Unit 11-08-001-2401
Nequia Arch Unit

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....	SUBSEQUENT REPORT OF WATER SHUT-OFF.....	
NOTICE OF INTENTION TO CHANGE PLANS.....	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING.....	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF.....	SUBSEQUENT REPORT OF ALTERING CASING.....	
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NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....	SUBSEQUENT REPORT OF ABANDONMENT.....	
NOTICE OF INTENTION TO PULL OR ALTER CASING.....	SUPPLEMENTARY WELL HISTORY.....	<input checked="" type="checkbox"/>
NOTICE OF INTENTION TO ABANDON WELL.....		

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

February 26, 19 62

Murphy Government
Well No. 1 is located 660 ft. from {N} line and 660 ft. from {E} line of sec. 13
SE/4 SE/4 Sec 13 27S 11E SLM
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)
Wildcat (Antelope Valley) Wayne Utah
(Field) (County or Subdivision) (State or Territory)

Ground
The elevation of the ~~derrick floor~~ above sea level is 5612 ft.

DETAILS OF WORK

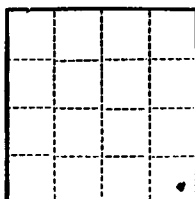
(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

This is to inform you that the above well is the eighth (8th) well to be drilled in the Nequia Arch Unit.

Also, note correction in ground level elevation. This elevation was submitted on the Notice of Intention to Drill as 6512'.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company The Atlantic Refining Company
Address P. O. Box 2197
Farmington, N. M.
By B. J. Sartain
Title Drilling Supervisor



(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Budget Bureau No. 42-R358.4
Form Approved.

Land Office Salt Lake City

Lease No. U-08665

Unit 11-08-001-2101
Nequela Arch Unit

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....	SUBSEQUENT REPORT OF WATER SHUT-OFF.....	X
NOTICE OF INTENTION TO CHANGE PLANS.....	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING.....	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF.....	SUBSEQUENT REPORT OF ALTERING CASING.....	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL.....	SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR.....	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....	SUBSEQUENT REPORT OF ABANDONMENT.....	
NOTICE OF INTENTION TO PULL OR ALTER CASING.....	SUPPLEMENTARY WELL HISTORY.....	
NOTICE OF INTENTION TO ABANDON WELL.....	<u>Subsequent report of casing</u>	X

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

March 5, 1962

Murphy Government

Well No. 1 is located 660 ft. from S line and 660 ft. from E line of sec. 13

SE/4 SE/4 Sec. 13 (1/4 Sec. and Sec. No.) 27S (Twp.) 11E (Range) SLM (Meridian)

Antelope Valley (N.C.) (Field) Wayne (County or Subdivision) Utah (State or Territory)

The elevation of the derrick floor above sea level is 5620 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

Spudded well at 8:00 PM 2-28-62/ Drilled 15" hole to 443'. Ran 13 joints 10 3/4" OD 32.75# H-40 casing w/guide shoe and float collar (427.70) set at 439.80' Cemented w/450 sacks common cement plus 1% Floccale and 2% CaCl. Plug down at 9:45 PM 3-1-62 Cement circulated

WOC 12 hrs. released pressure & NU BOP Tested casing with 1080 psi for 30 mins. - OK and complete at 8:15 PM 3-2-62. Started drilling cement at 9:45 PM 3-2-62

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company The Atlantic Refining Company

Address P. O. Box 2197

Farmington, New Mexico

By B. J. Sartain

Title Drilling & Production Supervisor

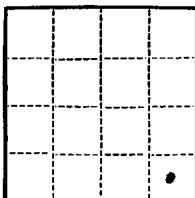
(SUBMIT IN TRIPLICATE)

Land Office Salt Lake City

Lease No. U-08665

Unit 14-08-001-2401

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY



SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....		SUBSEQUENT REPORT OF WATER SHUT-OFF.....	
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NOTICE OF INTENTION TO PULL OR ALTER CASING.....		SUPPLEMENTARY WELL HISTORY.....	
NOTICE OF INTENTION TO ABANDON WELL.....	X		

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

March 26, 1962

Murphy Government

Well No. 1 is located 660 ft. from S line and 660 ft. from E line of sec. 13

SE 1/4 SE 1/4 Sec 13 27S 14E SLM
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)

Wildcat (Field) Wayne (County or Subdivision) Utah (State or Territory)

The elevation of the derrick floor above sea level is 5620 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

Drilled 7 7/8" Hole to 5700' T.D. 10 3/4" O.D. Casing is set at 439.8'
We propose to plug and abandon this well by setting the following cement plugs thru open ended drill pipe. These plugs were verbally approved by U.S.G.S. representative, Mr. Don Russell and Utah Conservation Commission representative, Mr. R. L. Schmidt.

From 5050'	to 4950'	with 30 sacks common cement
" 3660 "	" 3560 "	" " " " "
" 2560 "	" 2460 "	" " " " "
" 2065 "	" 1965 "	" " " " "
" 470 "	" 380 "	" 35 " " "

Plus 10 sack plug in top of surface casing. A subsequent report will be submitted after the location is cleaned up and dry hole marker is installed

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company The Atlantic Refining Company

Address P. O. Box 2197

Farmington, New Mexico

By B. J. Sustain

Title Drilling & Production Supervisor

(SUBMIT IN TRIPLICATE)

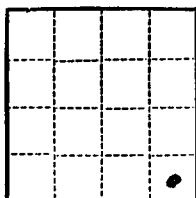
Land Office Salt Lake City

Lease No. U-08665

Unit U-08-001-2401

Nequicia Arch Unit

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY



SUNDRY NOTICES AND REPORTS ON WELLS

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NOTICE OF INTENTION TO PULL OR ALTER CASING.....	SUPPLEMENTARY WELL HISTORY.....	
NOTICE OF INTENTION TO ABANDON WELL.....	<u>Report of DST</u>	<u>X</u>

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

March 26, 1962

Murphy-Government

Well No. 1 is located 560 ft. from S line and 660 ft. from E line of sec. 13

SE/4 Sec 13 (1/4 Sec. and Sec. No.) 27S (Twp.) 11E (Range) SLM (Meridian)

Wildcat (Field) Wayne (County or Subdivision) Utah (State or Territory)

The elevation of the derrick floor above sea level is 5620 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

Drilled 7 7/8" hole to 5622'. Ran DST #1 testing open hole from 5478 to 5622 (Paradox "C" zone), 3/4" b.c., 3/8" t.c. No W.C. Took 35 min. I.S.I. T.O. 1 hr., had weak blow for 1 hr. & died. Took 30 min. F.S.I. Recovered 10' drilling and no shows.

INHP - 1718
INHPSI - 425
INHPF - 38
FBHPE - 38
FBHPSI - 75
FBHPF - 1718

Ran bit & resumed drilling.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company The Atlantic Refining Company

Address P. O. Box 2197

Farmington, New Mexico

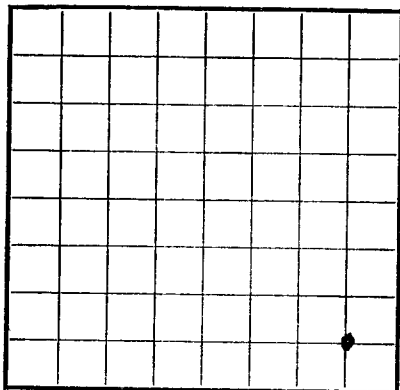
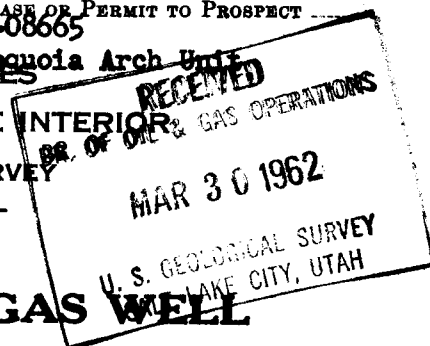
By B. J. Sartin

Title Drilling & Production Supervisor

U. S. LAND OFFICE Salt Lake City
Unit SERIAL NUMBER 11-08-001-2401LEASE OR PERMIT TO PROSPECT
U-08665UNITED STATES Negonia Arch Unit

DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY



LOCATE WELL CORRECTLY

LOG OF OIL OR GAS WELL

Company The Atlantic Refining Company Address P. O. Box 2197 Farmington, New MexicoLessor or Tract Murphy Government Field Wildcat State UtahWell No. 1 Sec. 13 T. 27S R. 11E Meridian SLM County WayneLocation 660 ft. N. of S Line and 660 ft. W. of E Line of Sec 13 Elevation 5620
(Datum: floor relative to sea level)

The information given herewith is a complete and correct record of the well and all work done thereon so far as can be determined from all available records.

Signed B. J. SartainDate March 29, 1962 Title Drilling Supervisor

The summary on this page is for the condition of the well at above date.

Commenced drilling 2/28, 1962 Finished drilling 3/23, 1962

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 2372.5 to 2374.0 No. 4, from _____ to _____

No. 2, from _____ to _____ No. 5, from _____ to _____

No. 3, from _____ to _____ No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from 2517 to 3000 No. 3, from _____ to _____

No. 2, from _____ to _____ No. 4, from _____ to _____

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From—	To—	
10 3/4 11 3/4 12 1/4 14 16 18 20 22 24 26 28 30 32 34 36 38 40 42 44 46 48 50 52 54 56 58 60 62 64 66 68 70 72 74 76 78 80 82 84 86 88 90 92 94 96 98 100									
It is of the greatest importance to make a complete history of the well. Please state in detail the dates of recording, together with the reasons for the work and the results. If there were any changes made in the casing, state fully and in all casing was changed.									
HISTORY OF OIL OR GAS WELL									
16-43064-2 U.S. GOVERNMENT PRINTING OFFICE									

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10 3/4	439.8	450	Pump & Plug		Cement Circulated
P & A RECORD BELOW					

PLUGS AND ADAPTERS

Heaving plug—Material _____ Length _____ Depth set _____

Adapters—Material _____ Size _____

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
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TOOLS USED

Rotary tools were used from Surface feet to 5700 TD feet, and from _____ feet to _____ feet
 Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

_____, 19____ Put to producing P. & A 3-24, 1962
 The production for the first 24 hours was _____ barrels of fluid of which _____% was oil; _____%
 emulsion; _____% water; and _____% sediment. Gravity, °Bé. _____
 If gas well, cu. ft. per 24 hours _____ Gallons gasoline per 1,000 cu. ft. of gas _____
 Rock pressure, lbs. per sq. in. _____

EMPLOYEES

Great Western Drilling Co., Driller _____, Driller
 _____, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
1607	1927	320'	Triassic Chinle
1927	2025	98'	" Shinarump
2025	2517	492'	" Moenkopi
2517	3608	1091'	Permian Coconino & Organ Rock
3608	5003	1395'	Permo-Penn Carbinatis
5003	5407	404'	Paradox "A & B" zones
5407	70		Paradox "C" zone
P & A RECORD			
5048	4948	with 30 sacks common cement	
3678	3578	" " "	" "
2553	2453	" " "	" "
2066	1966	" " "	" "
485	375	" " "	" "
11	31	" 10 "	" "
FROM—	TO—	TOTAL FEET	FORMATION

(OVER)

FORMATION RECORD—Continued

16-48084-4

700 FT 1000



THE ATLANTIC REFINING COMPANY

INCORPORATED - 1870

PETROLEUM PRODUCTS

March 30, 1962

DOMESTIC PRODUCING DEPARTMENT
ROCKY MOUNTAIN DISTRICT

S. L. SMITH, MANAGER
T. S. PACE, LAND
R. O. CHILDERS, DRILLING & PRODUCTION
T. O. DAVIS, ENGINEERING
L. G. MEGASON, GEOPHYSICAL
R. P. CURRY, ADMINISTRATIVE

SUITE 760
PETROLEUM CLUB BLDG.
110 16TH STREET
DENVER 2, COLORADO
AMHERST 6-3741

State of Utah
Oil and Gas Conservation Commission
State Capitol Building
Salt Lake City, Utah

Gentlemen:

Enclosed, for your record and file, are copies of surveys which Schlumberger ran for The Atlantic Refining Company. These surveys, ran March 23, 1962, in the Murphy-Government No. 1 Well located in Section 13-27S-14E, Wayne County, Utah, were Sonic Log and Induction-Electrical Log.

Yours very truly,

THE ATLANTIC REFINING COMPANY

By *B. J. Sartain*

B. J. Sartain, District
Drilling-Production Supervisor

jsh

Enclosures (2)

cc - Mr. R. O. Childers
Denver Office

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THE ATLANTIC REFINING COMPANY
PETROLEUM PRODUCTS
DALLAS, TEXAS

ADDRESS REPLY TO:
P. O. BOX 520
CASPER, WYOMING

DOMESTIC PRODUCING DEPARTMENT

P. O. Box 2197
Farmington, N. M.

State of Utah
Oil & Gas Conservation Commission
310 Newhouse building
10 Exchange Place
Salt Lake City 11, Utah

RE: Well No. Murphy Government #1
Sec 13, T-27-S, R-14-E
Wayne County, Utah

Gentlemen:

Please refer to your letter concerning the attached Log of Oil or Gas Well. The interval shown on this log (2372.5' to 2374.0') as an oil show was from a core between 2345' and 2395'. No DST was taken in this interval, since the show was considered insignificant. I have added the geologist's core description on back of the well log.

I overlooked a typographical error denoting the water sand (Coconino). The depth should be 2517' to 3000'. This is also corrected on the log. I regret the inconvenience caused by this oversight.

Very truly yours,

THE ATLANTIC REFINING CO.

B. J. Sartain

B. J. Sartain
Drilling and Production Supervisor

BJS:sjc

April 4, 1962

Atlantic Refining Co.
P. O. Box 2197
Farmington, New Mexico

Attn: B. J. Sartain, Drilling Supervisor

Re: Well No. Murphy Government #1,
Sec. 13, T. 27 S., R. 14 E.,
Wayne County, Utah

Gentlemen:

We would like to thank you for submitting the well log for the above mentioned well; however, we do not have a record of any Dst or Core for the interval 2372.5 to 2374.0 as shown on the "Log of Oil or Gas Well" as a oil or gas show. If this is a correct oil or gas sand, would you please put the test for this interval on the back of the well log under "Well History" and should the interval be incorrect or in the wrong place, please advise us of this also.

We also note that the water sand on the well log shows the interval to be 2517 to 300. If this is an incorrect interval, would you please correct it and return the well log to us.

Your prompt attention to the above requests will be very much appreciated.

Very truly yours,

OIL & GAS CONSERVATION COMMISSION

KAREN BERGMAN,
RECORDS CLERK

KB

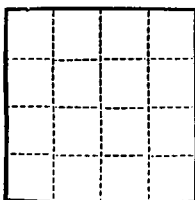
(SUBMIT IN TRIPLICATE)

Land Office Salt Lake City

Lease No. U-08665

Unit U-08-001-2401
Nequola Arch Unit

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY



SUNDRY NOTICES AND REPORTS ON WELLS

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NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....	SUBSEQUENT REPORT OF ABANDONMENT.....	<input checked="" type="checkbox"/>
NOTICE OF INTENTION TO PULL OR ALTER CASING.....	SUPPLEMENTARY WELL HISTORY.....	
NOTICE OF INTENTION TO ABANDON WELL.....		

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

MAY 28, 1962

Murphy-Government
Well No. 1 is located 660 ft. from S line and 660 ft. from E line of sec. 13

SE SE Sec. 13 27S 14E SLM
($\frac{1}{4}$ Sec. and Sec. No.) (Twp.) (Range) (Meridian)
Wildcat Wayne Utah
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 5620 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

The following cement plugs were set thru open ended drill pipe to Plug and Abandon on 3-24-62. Intervals between cement plugs are filled with 9.3#/gal mud.

From 5048 - 4948	with 30	sz common cement
" 3678 - 3578	" 30	" " "
" 2553 - 2453	" 30	" " "
" 2066 - 1966	" 30	" " "
" 485 - 375	" 33	" " "
" 11 - 31	" 10	" " "

Put in dry hole marker. Location was cleaned up on 5-26-62.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company The Atlantic Refining Company

Address P.O. Box 2197

Farmington, New Mexico

By B. J. Sartin

Title Drilling Supervisor